BACTERIAL DISEASES OF THE POTATO

PATHOGEN	DISEASE	DISTRIBUTION IN THE COMMONWEALTH
Corynebacterium sepedonicum	Ring rot	Canada (Major disease).
Pseudomonas solanacearum	Brown rot or wilt	Most African territories, Australia, Ceylon, Cyprus, India, Mauritius, Malaya. (Major disease).
Erwinia atroseptica (*Pectobacterium carotovorum* var. *atrosepticum*)	Black leg	Australia, British Isles, Canada, New Zealand, Rhodesia, South Africa. (Major disease).
	Hard rot	Northern Ireland, ? elsewhere.
Erwinia carotovora *Erwinia aroideae* *Pseudomonas* spp.) *Bacillus* spp.) Associated	Soft rot	Probably general
Streptomyces scabies	Common scab	General (Sometimes important).

PATHOGENS	TERRITORIES							
	ZAMBIA	MALAWI	RHODESIA	TANGANYIKA	KENYA	UGANDA	NIGERIA	S. AFRICA
PSEUDOMONAS SOLANACEARUM	1		2		3	2	2	
OTHER PSEUDOMONAS SPP.	4	1	9	3	5	2	1	1
XANTHOMONAS SPP.	6	4	10	3	2	8	1	4
ERWINIA AROIDEAE	1		1			5		1
OTHER ERWINIA SPP.			1					
CORYNEBACTERIUM SPP.	1		1		1			
AGROBACTERIUM TUMEFACIENS								2
No. of HOST PLANTS AFFECTED	12	5	18	7	10	14	4	7

BACTERIAL DISEASES OF THE SUGAR CANE		
PATHOGEN	DISEASE	DISTRIBUTION IN THE COMMONWEALTH
Xanthomonas vasculorum	Gummosis, Gumming disease	Australia (?NSW, ?Qd.) Mauritius, Natal, Rhodesia. (Major disease).
Xanthomonas albilineans	Leaf scald	Australia (NSW, Qd.), British Guiana, Ceylon, Fiji, Mauritius, St. Lucia. (Major disease).
Pseudomonas rubrilineans	Red stripe	Australia (NSW, Qd.), Ceylon, India, Mauritius.* (Rarely destructive).
Pseudomonas rubrisubalbicans	Mottled stripe	General (No importance).
Pectobacterium carotovorum var. graminarum	Bacterial mottle	Australia (Qd.). No other records.
Xanthomonas sp.	Undescribed stripe disease	India, Natal, Trinidad.
*Red stripe has often been confused with mottled stripe and vice versa.		

BACTERIAL DISEASES OF STONE FRUITS (Prunus spp.)

PATHOGEN	DISEASE	DISTRIBUTION IN THE COMMONWEALTH
Xanthomonas pruni	Spot	Australia (NSW, Qd.), Bermuda, Canada (Man, Ont, N.S.), Cyprus, India (Kulu Valley), New Zealand, Rhodesia, South Africa.
Pseudomonas syringae	Canker	Australia, Canada, New Zealand, South Africa
Pseudomonas morsprunorum		South-East England, ? elsewhere
Agrobacterium tumefaciens	Crown Gall	Probably general, rarely important.

BACTERIAL DISEASES OF TOMATO		
PATHOGEN	DISEASE	DISTRIBUTION IN THE COMMONWEALTH
Corynebacterium michiganense	Canker	Australia, Canada, England & Wales, India, Kenya, New Zealand, Rhodesia Zambia, South Africa.
Xanthomonas vesicatoria	Spot	Australia, Bermuda, Canada, India, Jamaica, Rhodesia, South Africa.
Pseudomonas tomato	Speck	Australia (NSW, Vict.), Canada, Channel Islands.
Pseudomonas solanacearum	Wilt	General in wet tropics, sub-tropics, warm temperate areas.
Erwinia carotovora Erwinia aroideae Bacillus spp.) Pseudomonas spp.) Associated	Soft rots	? General.
Other Pseudomonas spp. are recorded on tomato including Ps. syringae, Ps. syringae var. capsici, Ps. viridilivida, Ps. marginalis, Ps. cichorii, Ps. atrofaciens. Agrobacterium tumefaciens also occurs on tomato. Tomato is a host of Corynebacterium sepedonicum on inoculation.		

BACTERIAL DISEASES OF BEAN (Phaseolus vulgaris)		
PATHOGEN	DISEASE	DISTRIBUTION IN THE COMMONWEALTH
Corynebacterium flaccumfaciens	Wilt	Australia(S. Aust., Vict.)
Xanthomonas phaseoli	Common blight	Widespread (not in British Isles)
Xanthomonas phaseoli var. fuscans	Fuscous blight	Australia (NSW), Canada (Ont.), South Africa, Uganda.*
Pseudomonas phaseolicola	Halo blight	General
Pseudomonas syringae**	Brown spot	Few records in Australia, Canada, Africa.
Pseudomonas solanacearum	Wilt	Few records in tropics e.g. Mauritius.

* Once detected on seed in Scotland.

** More commonly found on the lima bean (Phaseolus lunatus) than on P. vulgaris.